

# COAL AGE

*With Which Is Consolidated*  
*The "Colliery Engineer" and "Mines and Minerals"*

## INDEX TO VOLUME 52

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NOTE—The articles and references in this index have been classified under leading subjects or topics, as far as practicable, and should be sought under such heads, which, together with all unclassified matter, are arranged alphabetically. Illustrated articles, or cuts standing by themselves, are indicated by an asterisk (\*). The subject matter of editorials will be found classified under the subject with which they deal and marked (e). Many titles of articles are abbreviated, the aim being to give prominence to important words.

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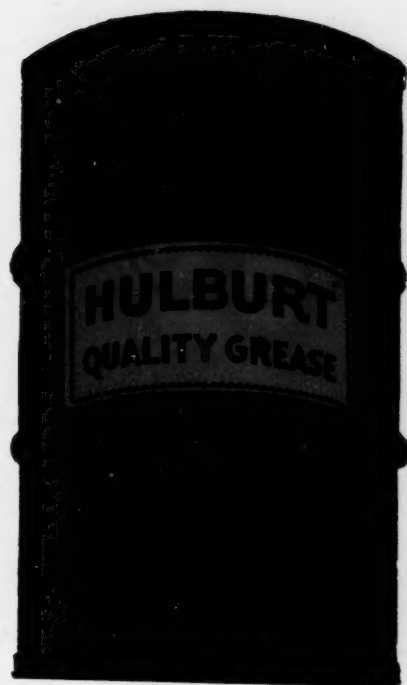
The first "baby-carriages" were made by Mr. Charles Burton in 1848, and were first used in New York City. However, they soon proved unpopular, because of the tendency of their wheelers to hit pedestrians; thus creating an early traffic problem. So Burton moved to England, where he opened a factory; and he obtained orders for his new "perambulator" from Queen Victoria, Queen Isabella II of Spain; and an unusually large order from the Pasha of Egypt.

Right from the start, Hulburt Quality Grease for lubricating Coal Mining Equipment, proved POPULAR with coal mining men. No longer did they have to "baby" their machines... they could go right ahead without hitting snags due to faulty lubrication. The down-in-the-mine service of HULBURT LUBRICATION ENGINEERS helped, too, but it is the outstanding QUALITY of HULBURT QUALITY GREASE that keeps coal mining machines "rolling."

HULBURT OIL & GREASE COMPANY . . PHILADELPHIA, PENNA.

*Specialists in Coal Mine Lubrication*

*a record of*  
*American Leadership*

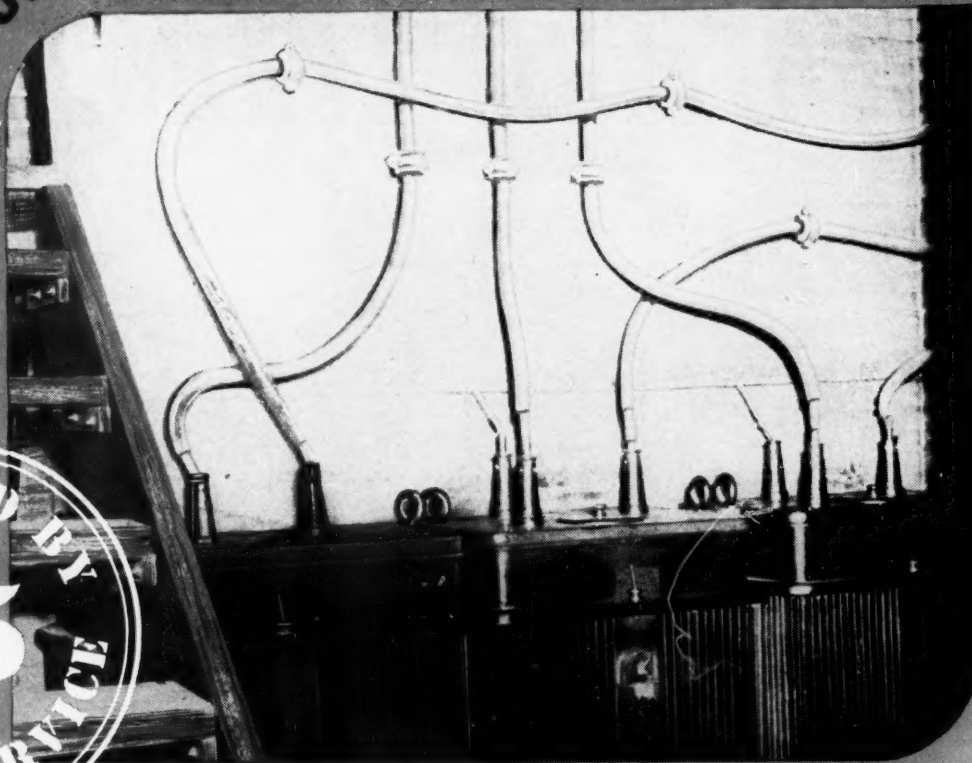


**HULBURT**  
*Quality*  
**GREASE**

THE "FIRST  
NAME" IN



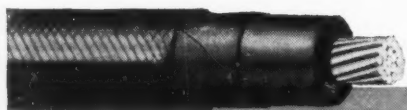
TIME puts its **OK** on **KEYSTONE**



Typical service record of Hazard Keystone Insulation is this 22,000 volt transformer cable installation — no trouble for 25 years . . . no signs of deterioration .

When you are plotting ways and means to keep ozone, moisture and heat from short-changing you in power circuits, remember this concrete example of what you can expect from Hazard Keystone Insulation under such operating conditions — 25 years of trouble-free service and still no signs of insulation deterioration is the history of these 22,000 volt transformer cables installed by an inter-urban electric railroad.

Hazard Keystone Insulation effectively combines in one oil-base compound unusual resistance to ozone, heat, moisture, sunlight, chemicals and acids. It has been used with outstanding success for aerial, underground, interior and submarine circuits with various types of outside protective jackets employed in accordance with the particular job requirements. For all the facts, write for bulletin H-403. The Hazard Insulated Wire Works, Division of The Okonite Company, Wilkes-Barre, Pa.



**HAZARD**

insulated wires and cables for every electrical use